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(71) Applicant (*for all designated States except US*): **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION** [AU/AU]; Limestone Avenue, Campbell, Australian Capital Territory 2612 (AU).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **BELL, Daniel** [AU/AU]; 117 The Boulevard, Thomastown, Victoria 3074 (AU). **CASEY, Phil** [AU/AU]; 24A Britten Street, Glen

Iris, Victoria 3146 (AU). **GOZUKARA, Yesim** [AU/AU]; 2 Brownlee Crescent, Wheelers Hill, Victoria 3150 (AU). **HILL, Anita** [AU/AU]; 45 Manningtree Road, Hawthorn, Victoria 3122 (AU). **MARDEL, James** [AU/AU]; 59 Leila Road, Ormond, Victoria 3204 (AU). **MARKLEY, Tracey** [AU/AU]; 11 Amy Street, Camberwell, Victoria 3124 (AU). **MEAKIN, Pavla** [AU/AU]; 1 Pytchley Drive, Croydon, Victoria 3136 (AU). **OH, Chull, Hee** [AU/AU]; 17 Bowman Street, Mt. Waverley, Victoria 3149 (AU). **TURNERY, Terry** [AU/AU]; 11 Sherbrooke Road, Sherbrooke, Victoria 3789 (AU).

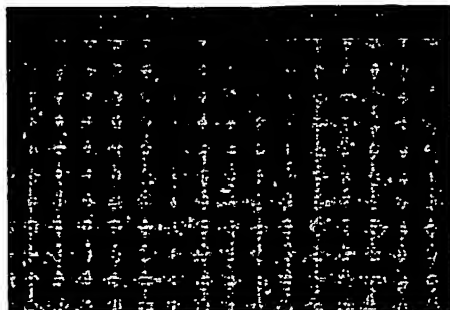
(74) Agent: **FREEHILLS CARTER SMITH BEADLE**; Level 43, 101 Collins Street, Melbourne, Victoria 3000 (AU).

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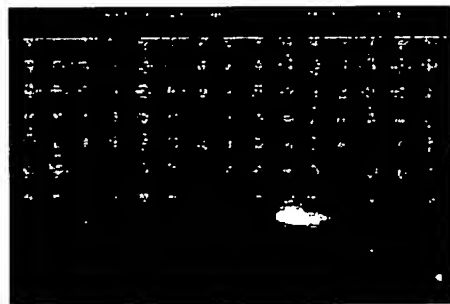
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(54) Title: **WEAR RESISTANT POLYMERS**

(a) $\times 1.0K$



(b) $\times 6.0K$



SEM micrograph of the surface of polyurethane containing 6.1wt% alumina prepared via the solvent method.

(57) Abstract: A method of improving the wear resistance of a polymer is disclosed comprising the steps of evenly dispersing an ultrafine inorganic particulate material in the polymer at a loading rate of 0.01 to 20wt% of the total weight of the particulate polymer composite. The mixing or dispersing is preferably carried out under sub-atmospheric pressure conditions to ensure little or no bubbles form in the mixture prior to curing.



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